Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Friday 18 Aug 2023 until 23:59 on Saturday 19 Aug 2023

Forecast Issued on Thursday 17 Aug 2023 at 13:25

Confidence: High for unsettled conditions Friday and for the subsequent trend towards fine and dry weather. Lower confidence on the timing and extent of the thundery rain and showers on Friday and for the strength of winds Friday night.

Headline for Friday 18 Aug 2023: Dull and muggy start. Band of heavy, locally thundery, showers from late morning. Further heavy rain later.

Mountain weather hazards on Friday 18 Aug 2023

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Fog	Light rain showers	Thundery showers	Heavy rain showers	Light rain showers	Sunny intervals	Heavy Rain
Precipitation probability							
<05%	<05%	30%	80%	60%	40%	10%	70%

Forecast for Friday 18 Aug 2023

Weather: Areas of mist and low cloud across most eastern areas in early hours of Friday morning. Cloudier in the west, with the chance of a few isolated showers developing through the early hours. An organised band of heavy, thundery showers or longer spells of thundery rain is expected to arrive from the southwest Friday morning lasting until late afternoon. Brighter for a time early evening but feeling quite humid. Thickening and lowering cloud bringing further rain Friday evening, with a chance of embedded thunderstorms giving a very wet end to the working week.

Chance of cloud-free hill tops above 600m: 30% to start in the east, and then widely as showery rain arrives. 60% in the west initially. 60% as rain clears late afternoon, lowering to 40% or less in late rain.

Low cloud and visibility: Broken bases 400m in early hours in the east, with isolated mist and fog patches under any clear skies. Cloud lifting briefly before showery rain sees low cloud widely to 200-300m, perhaps lower across western upslopes. Cloud lifting clear of all but highest bases late afternoon, lowering once more from the west to around 300m towards midnight. Visibility poor or very poor in morning mist and fog, improving to good outside of showers or rain. Moderate to poor visibility in rain and heavy showers, perhaps very poor in any thundery downpours.

Check our weather forecast every day to get the most accurate and up to date information
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Met Office Mountain Weather Forecast

Forecast for Friday 18 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/30 E	21/31 E	22/32 E	23/32 E	23/32 E	23/32 E	22/31 E	21/30 E	22/32 SE
300	12/20 NE	13/25 E	16/29 E	16/27 E	18/30 E	18/29 E	19/30 E	17/28 E	16/27 SE
Valley	15/29 E	15/29 E	16/30 E	17/31 E	14/27 E	14/28 E	14/29 E	14/28 E	12/27 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/7	10/7	11/7	12/8	14/10	14/11	14/11	14/10	14/11
300	13/11	13/11	13/10	15/12	16/14	18/15	17/14	16/14	17/14
Valley	14/11	14/11	14/11	15/12	17/15	18/16	18/16	17/15	17/16
Freezing Level*	2800m	2900m	3200m	3500m	3500m	3800m	3800m	3900m	3900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Unpleasant walking conditions for much of the day, with waterproofs becoming soaked through in heavy, locally thundery, showers and late rain. Windy conditions will make for fairly arduous walking on exposed terrain with buffeting of clothing. Watercourses may become swollen.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 16 Aug 2023	0.2mm	12.2mm	23.6mm

Forecast for Saturday 19 Aug 2023

Weather: Rain is expected to clear to the north during the early hours of Saturday, leaving a muggy morning but a drier day. Showers are likely to develop as temperatures rise, but these will be well-scattered and much lighter than Friday.

Maximum wind: Southwest 20-30mph, gusting 40-45mph. Easing 10-15 mph in the evening.

Chance of cloud-free hill tops above 600m: 30% or less, soon improving to 80% or more.

Low cloud and visibility: Cloud bases of around 300m in the early hours associated with the area of rain. This clearing by dawn with bases largely remaining above summits for the rest of the day. Visibility poor or very poor in early rain, becoming good or very good by mid-morning.

Temperature: **Valleys:** Plus 17, rising to Plus 22 Celsius.
At 600m: Plus 15 Celsius, rising to Plus 19 Celsius.
Freezing level: Well above summits.

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